

| FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | | | | | | | | | ATTY. DOCKET NO. | | | | SERIAL NO. | | | |
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| | | | | | | | | | | | | APPLICANT Mu-Lin Shen | | | | | | | |
| | | | | | | | | | | | | FILING DATE | | | | | | GROUP | |
| U.S. PATENT DOCUMENTS | | | | | | | | | | | | | | | | | | | |
| EXAMINER INITIAL | | | | DOCUMENT NUMBER | | | | | DATE | | NAME | | CLASS | | SUBCLASS | | FILING DATE IF APPROPRIATE | | |
| | | | | 2 | 3 | 5 | 9 | 8 | 3 | 12/1880 | Batt | | | | | | | | |
| | | | | 2 | 6 | 4 | 5 | 7 | 5 | 9/1882 | Simon | | | | | | | | |
| | | | | 5 | 0 | 9 | 1 | 9 | 4 | 11/1893 | Carty | | | | | | | | |
| | | | | 5 | 7 | 6 | 0 | 2 | 8 | 1/1897 | Churchill | | | | | | | | |
| | | | | 6 | 0 | 4 | 9 | 5 | 1 | 5/1898 | Anderson et al. | | | | | | | | |
| | | | | 6 | 5 | 5 | 6 | 0 | 5 | 8/1900 | Churchill | | | | | | | | |
| | | | | 1 | 1 | 4 | 3 | 6 | 1 | 0 | 6/1915 | Carr | | | | | | | |
| | | | | 1 | 7 | 7 | 9 | 4 | 3 | 8 | 10/1930 | Lowe | | | | | | | |
| | | | | 1 | 8 | 9 | 9 | 6 | 8 | 6 | 2/1933 | Herst | | | | | | | |
| | | | | 1 | 8 | 9 | 9 | 9 | 9 | 6 | 3/1933 | Sullivan | | | | | | | |
| | | | | 2 | 0 | 5 | 9 | 6 | 7 | 8 | 11/1936 | Briggs | | | | | | | |
| | | | | 2 | 4 | 9 | 7 | 3 | 2 | 8 | 2/1950 | Smith et al. | | | | | | | |
| | | | | 2 | 5 | 2 | 9 | 2 | 3 | 0 | 11/1950 | Smith et al. | | | | | | | |
| | | | | 2 | 7 | 9 | 5 | 9 | 4 | 8 | 6/1957 | Ravburn | | | | | | | |
| | | | | 2 | 9 | 9 | 8 | 2 | 7 | 4 | 8/1961 | Russell | | | | | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | | | | | | | | | | | | | |
| | | | | DOCUMENT NUMBER | | | | | DATE | | COUNTRY | | CLASS | | SUBCLASS | | TRANSLATION | | |
| | | | | | 3 | 5 | 7 | 8 | 3 | 9/1922 | Norway | | | | | YES | NO | | |
| | | | | | 5 | 3 | 7 | 2 | 7 | 7 | 6/1941 | United Kingdom | | | | | | | |
| | | | | | 5 | 5 | 5 | 5 | 5 | 0 | 8/1943 | United Kingdom | | | | | | | |
| | | | | 1 | 8 | 0 | 8 | 6 | 3 | 3 | 6/1970 | Germany | | | | | | | |
| | | | | 2 | 7 | 2 | 3 | 8 | 8 | 7 | 12/1978 | Germany | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
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| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | | | | | | | | | | | | | |
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(Rev. 2-32) PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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SERIAL NO.

APPLICANT

Mu-Lin Shen

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|---------------------|--|--------------------|---|---|---|---|---|---|---------|-----------------|-------|----------|----------------------------------|
| | | 3 | 3 | 0 | 8 | 6 | 4 | 1 | 3/1967 | Russell et al. | | | |
| | | 3 | 5 | 5 | 0 | 4 | 1 | 1 | 12/1970 | Neary | | | |
| | | 3 | 7 | 1 | 3 | 3 | 1 | 1 | 1/1973 | Oliver et al. | | | |
| | | 3 | 8 | 6 | 9 | 8 | 9 | 0 | 3/1975 | Neary | | | |
| | | 3 | 8 | 9 | 4 | 4 | 1 | 7 | 7/1975 | Taniyauna | | | |
| | | 3 | 9 | 1 | 0 | 6 | 1 | 2 | 10/1975 | Nolin | | | |
| | | 3 | 9 | 8 | 5 | 0 | 0 | 8 | 10/1976 | Hart | | | |
| | | 3 | 9 | 9 | 9 | 7 | 8 | 9 | 12/1976 | Maurits et al. | | | |
| | | 4 | 1 | 2 | 9 | 0 | 1 | 9 | 12/1978 | Urdal | | | |
| | | 4 | 4 | 1 | 8 | 5 | 5 | 2 | 12/1983 | Nolin | | | |
| | | 4 | 4 | 2 | 4 | 6 | 9 | 1 | 1/1984 | Foshee | | | |
| | | 4 | 4 | 3 | 5 | 9 | 6 | 7 | 3/1984 | Best et al. | | | |
| | | 4 | 4 | 4 | 4 | 0 | 3 | 4 | 4/1984 | Besr et al. | | | |
| | | 4 | 7 | 3 | 6 | 9 | 7 | 0 | 4/1988 | McGourty et al. | | | |
| | | 4 | 8 | 3 | 8 | 0 | 5 | 3 | 6/1989 | Shen | | | |

FOREIGN PATENT DOCUMENTS

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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|---------------------|--|--------------------|---------|-----------------|-------|----------|----------------------------------|
| | | 5 3 9 8 5 3 1 | 3/1995 | Shen | | | |
| | | 5 4 4 7 0 4 7 | 9/1995 | Lin | | | |
| | | 5 5 0 7 1 6 3 | 4/1996 | Juang | | | |
| | | 5 5 6 4 2 9 6 | 10/1996 | Therault et al. | | | |
| | | 5 5 9 0 5 5 5 | 1/1997 | Kester et al. | | | |
| | | 5 5 9 8 7 2 6 | 2/1997 | Cordle | | | |
| | | 5 6 0 5 0 6 4 | 2/1997 | Katayama et al. | | | |
| | | 5 6 1 7 7 4 9 | 10/2001 | Park | | | |
| | | 5 6 5 7 6 5 3 | 8/1997 | Hensley et al. | | | |
| | | 5 6 9 4 7 8 9 | 12/1997 | Nunez et al. | | | |
| | | 5 7 1 3 2 3 1 | 2/1998 | Shen | | | |
| | | 5 7 3 2 5 7 8 | 3/1998 | Kang | | | |
| | | 5 7 5 2 3 9 9 | 5/1998 | Shen | | | |
| | | 5 7 6 1 9 3 6 | 6/1998 | Katayama et al. | | | |
| | | 5 7 6 8 9 2 6 | 6/1998 | Shen | | | |

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|---------------------|--|--------------------|---------|----------------|-------|----------|----------------------------------|
| | | 5 8 1 3 2 6 0 | 9/1998 | Widen | | | |
| | | 5 8 1 6 0 8 6 | 10/1998 | Russell et al. | | | |
| | | 5 8 4 5 5 2 2 | 12/1998 | Shen | | | |
| | | 5 8 6 8 0 1 8 | 2/1999 | Kang | | | |
| | | 5 8 7 3 2 7 2 | 2/1999 | Thompson | | | |
| | | 5 8 8 1 5 8 5 | 3/1999 | Kang | | | |
| | | 5 8 8 1 5 8 6 | 3/1999 | Shen | | | |
| | | 5 9 0 4 2 3 2 | 5/1999 | Shen | | | |
| | | 5 9 2 7 7 7 7 | 7/1999 | Kuo et al. | | | |
| | | 5 9 4 1 1 0 8 | 8/1999 | Shen | | | |
| | | 5 9 6 0 6 5 6 | 10/1999 | Yao | | | |
| | | 5 9 7 0 7 6 0 | 10/1999 | Shen | | | |
| | | 5 9 8 3 6 8 3 | 11/1999 | Shen | | | |
| | | 6 0 1 4 8 7 7 | 1/2000 | Shen | | | |
| | | 6 0 1 4 8 7 8 | 1/2000 | Shen | | | |

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|---------------------|--|--------------------|---------|--------------------|-------|----------|----------------------------------|
| | | 6 0 3 8 8 9 6 | 3/2000 | Chamberlain et al. | | | |
| | | 6 0 4 1 6 3 0 | 3/2000 | Shen | | | |
| | | 6 1 0 1 8 5 5 | 8/2000 | Pelletier et al. | | | |
| | | 6 1 0 9 0 8 0 | 8/2000 | Chen et al. | | | |
| | | 6 1 1 2 5 6 5 | 9/2000 | Aramburu | | | |
| | | 6 1 5 1 9 3 4 | 11/2000 | Chong et al. | | | |
| | | 6 1 7 0 3 0 5 | 1/2001 | Shen | | | |
| | | 6 1 8 9 3 5 1 | 2/2001 | Eagan et al. | | | |
| | | 6 2 7 9 3 6 0 | 8/2001 | Shen | | | |
| | | 6 3 0 2 4 5 7 | 10/2001 | Shen | | | |
| | | 6 3 6 0 5 7 0 | 3/2002 | Shen | | | |
| | | 6 3 6 4 3 8 3 | 4/2002 | Shen | | | |
| | | 6 4 1 2 3 1 8 | 7/2002 | Shen | | | |
| | | 6 4 2 5 6 1 3 | 7/2002 | Shen | | | |
| | | 6 5 3 2 7 7 9 | 3/2003 | Shen | | | |

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